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ABSTRACT OF THE DISCLOSURE

A composite ion selective electrode comprising a calcium ion selective electrode member and a hydrogen ion selective electrode member which is characterized in that a calcium ion selective membrane of the calcium ion selective electrode member has a thickness of 5 to 30 μm , and the hydrogen ion selective membrane of the hydrogen ion selective electrode member contains tri-n-dodecyl-amine and triethylhexyl trimellitate. Each of the calcium ion selective electrode member and the hydrogen ion selective electrode member can be employed singly.

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